



## STEM-Focused Schools Breakout Session STEM Summit March 5, 2013

### **Top Priorities of the STEM Focused School Workgroup include:**

1. Developing a working definition of STEM and its implementation in the classroom.
2. Establishment of Criteria and associated Rubrics to facilitate the formation and evaluation of STEM focused schools. Criteria will include the “essential ingredients” of Iowa STEM in order to promote consistent implementation across the state.
3. The STEM Focused School workgroup will pilot the use of Iowa’s Communities of Practice and Innovation Agora site as a host for discussion forums, shared resources, and information distribution. The Agora site will become a focal point for collaboration among educators interested in STEM focused schools.
4. The STEM Focused School workgroup is in the process of studying best practices and looking at a wide variety of STEM school models. Dr. Albert Wiggins, Assistant Principal of the George Washington Carver Academy in Waterloo, shared perspectives from a STEM focused Middle School.

Attendees of the session were invited to share resources, and participate in ongoing work by contacting Kari Webb at [kwebb@iowalakes.edu](mailto:kwebb@iowalakes.edu) .



## Science

Study of the nature of the universe



## Technology

Applying information to the design of goods and services



## Engineering

Application of knowledge for the benefit of humanity



## Mathematics

Universal language of nature



# STEM





**What are the essential elements of STEM?**

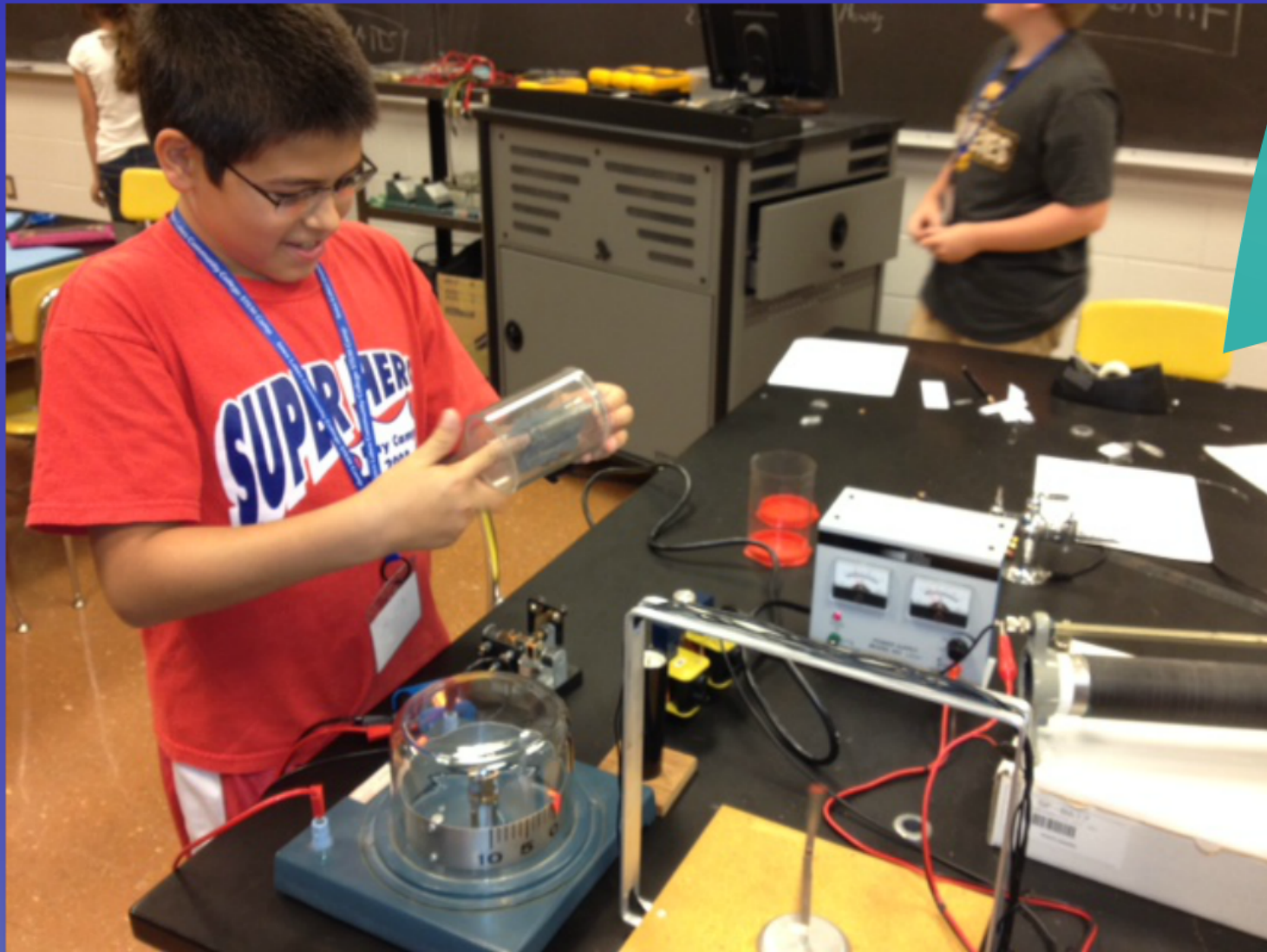


**Looking for the right reagents...**





**Letting STEM happen in the classroom**



**STEM for all learners**





# Business Partnerships





# Teaching teachers STEM

## The Agora Hub



## Science



**English/Language Arts**



## Math



## Social Studies



### Online Teaching



## Counseling



## STEM



Appl  
CTE  
GTT (PLTW)  
TIS/Myth bus



# George Washington Carver Academy

STEM in Iowa  
Dr. Albert D. Wiggins III



# **Carver Academy & STEM**

**Integrated Course offerings**

**Iowa Core**

**Mandatory Modifications**

**Art Drafting**

**IT Robotics, Electricity & Electronics,  
Mechanical Engineering**

**Specialized Course Offerings: (examples we offer)**

**Forensics**

**Applied Mathematics**

**CTE**

**GTT (PLTW)**

**TlrS/Myth busters**

